

ENVIRONMENTAL QUALITY

CHAPTER 38

PUBLIC WATER AND SEWAGE SYSTEM REQUIREMENTS

Sub-Chapter 5

Water Hauled for Cisterns

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PUBLIC WATER AND SEWAGE
SYSTEM REQUIREMENTS

17.38.502

Sub-Chapter 5

Water Hauled for Cisterns

17.38.501 PURPOSE (1) The purpose of this subchapter is to assure the safety and purity of water hauled from a public water supply source to fill cisterns or other reservoirs to provide water for human consumption. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.502 DEFINITIONS (1) "Department" means the department of environmental quality.

(2) "Water hauler" is a person engaged in the business of transporting water to be used for human consumption from a water source to a cistern or other reservoir by 10 or more families or 25 or more persons for at least 60 days of the calendar year. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.503 EQUIPMENT, SPECIFICATIONS AND OPERATION

(1) Equipment used for the conveying and hauling of water must have water contact surfaces that are made of non-corrodible and non-toxic materials. All interior coatings, platings, or paints shall be free of toxic materials.

(2) Water-contact surfaces must be smooth for easy cleaning and sanitizing.

(3) Inlets, outlets, piping, hose, and tank openings must be constructed to prevent entrance of foreign materials that may contaminate the water.

(4) The tanks or containers shall be free of deep pits, excessive scale, dents, or crimps which may tend to hold contaminating matter.

(5) All water contact surfaces including tanks must never have been used to transport or handle toxic or noxious substances.

(6) All inlet openings must be kept closed except when filling or cleaning.

(7) Flexible delivery piping, connectors, and ends are to be protected at all times. During delivery, cistern or reservoir must be protected from contamination.

(8) Tanks used for hauling water for human consumption shall not be used for any other purpose.

(9) Each piece of equipment used to haul water may be inspected periodically by representatives of the department. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

Rules 17.38.504 through 17.38.509 reserved

PUBLIC WATER AND SEWAGE
SYSTEM REQUIREMENTS

17.38.511

17.38.510 SANITIZING EQUIPMENT (1) Hauling equipment must be cleaned and sanitized:

(a) before being used the first time and after a period of non-use.

(b) after any portion of equipment has been dismantled or repaired.

(c) after known errors in sanitary procedures by the operators have occurred.

(d) at least weekly.

(2) Equipment shall be cleaned by scrubbing with normal cleaning aids, being careful to flush away all foreign materials.

(3) The equipment shall be sanitized by exposing it to:

(a) steam at 170°F for 15 minutes, or

(b) steam at 200°F for 5 minutes, or

(c) chlorine, iodine, or other approved sanitizers at recommended strength and contact time. Application of chemical sanitizers can be done by fogging, spraying, jet-blowing, or any other procedure approved by the department. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.511 WATER SUPPLY (1) Water to be hauled must be taken from a supply approved by the department. Periodical bacteriological samples will be collected from the water hauling equipment by the department or its authorized representatives. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.512 FILLING POINTS (1) Filling points must be constructed in order to protect against contamination of the filling pipe or hose when not in use. They must also be protected during the tank filling operation to prevent contamination of either the water being piped into the tank or water in the public water supply system.

(2) There must be no direct connection between the hose or pipe on the public water supply and the hauling tank itself. An air gap must be provided or an adequate back flow prevention device must be installed on the filler pipe. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.513 CHEMICAL TREATMENT OF WATER (1) Each load of water shall be dosed with enough chlorine to provide a free chlorine residual of 0.4 parts per million. The water hauler shall have DPD test kits to check the chlorine residual.

(2) Sufficient chlorine must be added when delivering water into the cistern to have a chlorine residual of 0.4 parts per million detected when the cistern is filled. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)